

Breakaway hub for saw

Abstract of Disclosure

A blade assembly for a saw having a blade that rotates about an arbor includes a blade collar, first washer, saw blade, second washer, and arbor nut mounted onto the arbor. The first washer has integral shear pins that engage voids of the blade collar, coupling the blade collar to the first washer. To electrically isolate the saw blade, the first washer is made of an electrically insulating material, and also includes a hub that extends into the aperture of the blade, electrically insulating the blade from the arbor. The arbor nut secures the blade assembly to the arbor. Upon an emergency brake being applied to the blade, the shear pins shear, de-coupling the blade collar from the first washer, minimizing damage to the drive system and allowing for a rapid stop of the blade.

Figures